



P07 41795 (18810-80334)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

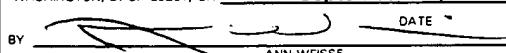
Date: September 24, 2001

In re application of: Readhead et al.
Serial No. 09/292,723
Filed: April 15, 1999
For: TRANSFECTION, STORAGE AND TRANSFER OF MALE GERM
CELLS FOR GENERATION OF TRANSGENIC STEM CELLS
Examiner: Martin, J.
Unit: 1632

RECEIVED
JAN 18 2002
TECH CENTER 1600/2900

RESPONSE TO OFFICE ACTION

Assistant Commissioner for
Patents
Washington, D. C. 20231

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO THE ASSISTANT COMMISSIONER FOR PATENTS WASHINGTON, D. C. 20231, ON		September 24, 2001
BY		DATE
		ANN WEISS
September 24, 2001		
(DATE OF SIGNATURE)		

Dear Sir/Madam:

This is in Response to the Office Action mailed April 24, 2001, for the above-captioned patent application. This response is submitted on or before September 24, 2001, with a request for a two (2)-month extension of time, under 37 C.F.R. § 1.136(a), and the requisite fee under 37 C.F.R. § 1.17(a). In connection with the above-captioned application, the Examiner is respectfully requested to consider the following amendment and remarks.



P07 41795 (18810-80334)

RECEIVED
JAN 18 2002
TECH CENTER 1600/2900

AMENDMENT

A Version With Markings To Show Changes Made is included after
Applicant's Remarks, beginning at page 25.

In the Claims:

Please cancel Claims 1-62, 75-82, 94-101, and 107-117, without
prejudice and add the following new Claims 133-195.

--133.(New) A method of obtaining a selectable transgenic stem
cell of a non-human mammal, comprising:

injecting into a gonad of a male non-human mammal a transfection
mixture comprising at least one transfecting agent and at least one polynucleotide
comprising a transcriptional unit of a human cyclin A1 promoter sequence operatively
linked to a DNA encoding a fluorescent or light-emitting protein, wherein said gonad
contains a male germ cell of the non-human mammal, and wherein said germ cell is
selected from the group consisting of spermatogonial stem cells, type B spermatogonia,
primary spermatocytes, preleptotene spermatocytes, leptotene spermatocytes, zygotene
spermatocytes, pachytene spermatocytes, secondary spermatocytes, spermatids, and
spermatozoa;

causing said polynucleotide to be taken up by, and released into, said
germ cell; and

incorporating said polynucleotide into the genome of said germ cell,
whereby a selectable transgenic stem cell is obtained expressing said fluorescent or
light-emitting protein, by which said stem cell can be isolated or selected from a
non-stem cell.